



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

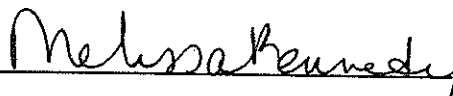
CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010427
CERTIFICATION DATE: August 13, 2013
DATE RECERTIFICATION DUE: February 9, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

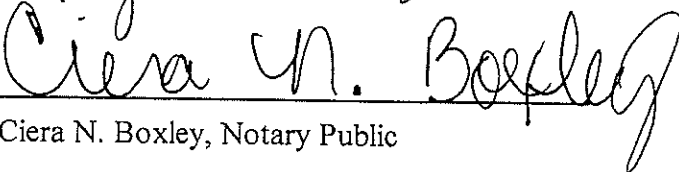


Melissa Kennedy

Section Supervisor, Breath Alcohol

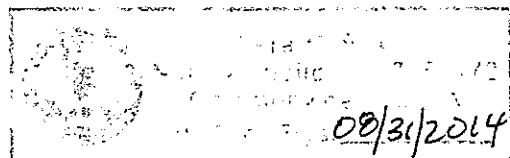
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 26th day of
August, 2013 by Melissa Kennedy



Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014





DBH
NKH

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 8/16/2013**

Instrument Serial Number: 010427

As of 16-Aug-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
13-Aug-13	13-Aug-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. REPLACED PRINTER. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
02-Apr-13	02-Apr-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
26-Feb-13	26-Feb-13	TLN (25387)	CERTIFIED. REPLACED DRY GAS STANDARD.
05-Sep-12	05-Sep-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
24-Jul-12	22-Mar-12	SED (24178)	REPLACED DRY GAS STANDARD.
22-Mar-12	22-Mar-12	HMS (18910)	CERTIFIED
08-Feb-12	08-Feb-12	HMS (18910)	REPLACED PRINTER RIBBON, CERTIFIED
23-Nov-11	23-Nov-11	HMS (18910)	CALIBRATED BAROMETRIC PRESSURE SENSOR, CERTIFIED
27-Apr-11	27-Apr-11	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
08-Mar-11	16-Nov-10	RJP (22428)	REPLACED DRY GAS STANDARD.
13-Jan-11	16-Nov-10	RJP (22428)	REPLACED DRY GAS STANDARD.
16-Nov-10	16-Nov-10	RJP (22428)	CERTIFIED.
15-Oct-10	15-Oct-10	RJP (22428)	CALIBRATED AND CERTIFIED.
30-Sep-09	30-Sep-09	DBH (21250)	REPLACED TANK TOP LID, CALIBRATED AND CERTIFIED.
13-May-09	13-May-09	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
26-Nov-08	26-Nov-08	HMS (18910)	CERTIFIED.
24-Oct-08	24-Oct-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH

NSK

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010427 Worksheet Start Date 8/13/2013
Location Winchester ADC
Address 141 Fort Collier Rd Winchester VA 22603
DFS Technician Donald Hall License No. 21250
☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

E-Seek	Old serial no.	New serial no.	Supplies	
Keyboard			Mouthpieces	200
Printer	5itceh48996	7aeceb16812	Certificates of Analysis	200
UPS			Operator Worksheet	100
			Other:	

Maintenance (if any)

Firmware/software upgrade. Replaced printer.

Comments (if any)

Instrument Serial Number 010427

Certification Date 8/13/2013

Instrument Barometer (mm HG) 740

Reference Barometer (mm HG) 738

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.240
0.250	0.243	0.235	0.250	Sample 2	0.239
Precision		sample min	sample max	Sample 3	0.239
0.001		0.239	0.240		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.145
0.150	0.146	0.141	0.150	Sample 2	0.145
Precision		sample min	sample max	Sample 3	0.145
0		0.145	0.145		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.077
0.080	0.078	0.075	0.081	Sample 2	0.077
Precision		sample min	sample max	Sample 3	0.077
0		0.077	0.077		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.018
0.020	0.020	0.017	0.023	Sample 2	0.018
Precision		sample min	sample max	Sample 3	0.019
0.001		0.018	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG316301-23

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.096
0.100	0.097	0.094	0.100	Sample 2	0.096
Precision		sample min	sample max	Sample 3	0.096
0		0.096	0.096		

DFS Technician

Donald B Hall

Date

8/16/13

Issuing Analyst

Melissa Kennedy

Date

8/21/13

Intox EC/IR II QA Worksheet
Issued by Calibration and Training Program Manager
Issue Date: 4-March-2013

DFS Document 250-F113
Revision 6
Page 2 of 2

1/28/14



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
HALL, DONALD, B		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
21250	10/01/2014	08/13/2013
TEST EQUIPMENT NUMBER		
010427		

RESULTS: TIME SAMPLE TAKEN 16:43 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 16 Aug 2013 at 10:18

DBH

mjk

Test Results

Instrument Serial Number 010427

Test # 002116 Subject Test

Test Location 1 Department of
Test Date 13 Aug 2013

Test Location 2 Forensic Science
Test Time 16:37
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 13 Aug 2013

End Time 16:44

Result Time 16:43

Result Date 13 Aug 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 16:37

Data Type BLK

Sample Value 0.000

Sample Time 16:38

Data Type CHK

Sample Value 0.100

Sample Time 16:39

Data Type BLK

Sample Value 0.000

Sample Time 16:40

Data Type SUBJ

Sample Value 0.000

Sample Time 16:41

Data Type BLK

Sample Value 0.000

Sample Time 16:42

Data Type SUBJ

Sample Value 0.000

Sample Time 16:43

Data Type BLK

Sample Value 0.000

Sample Time 16:44

Standard Type Dry Gas Std

Standard Value 0.097

Standard Lot Number AG227501-23

Standard Expiration Date 10/01/2014

Tank Pressure 252

Barometric Pressure 740 mmHg

Blow Sample Number 1

Blow Duration 3.61 sec

Blow Volume 1975 cc

End-of-Blow Time 16:41

Blow Sample Number 2

Blow Duration 3.51 sec

Blow Volume 1825 cc

End-of-Blow Time 16:43

Tamper Evident Stamp 9652b8c7

Test Status Code 0

Test Status Success

Intox EC/IR-II: Software Version

NOK

Department of Forensic Science

Serial Number: 010427

System Date: 08/13/2013

System Time: 17:30 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

Intox EC/IR-11: Calibration

Department of Forensic Science

Serial Number: 010427 Test Number: 2117
Test Date: 08/13/2013 Test Time: 17:16 EDT

Dry Gas Target: 0.097

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 502 psi Barometric Pressure: 740 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	17:17
CAL	0.097	17:17

Test Status: Success

Calibration CRC: 30FBE79A

Intox EC/IR-II: Certification*msk**Department of Forensic Science*

Serial Number: 010427 Test Number: 2118
Test Date: 08/13/2013 Test Time: 17:32 EDT

Technician Initials: DBH

Dry Gas Target: 0.243

Lot Number: 2961225012-10 Exp Date: 11/01/2014
Tank Pressure: 492 psi Barometric Pressure: 740 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	17:32
BLK	0.000	17:33
CHK	0.240	17:34
BLK	0.000	17:35
CHK	0.239	17:36
BLK	0.000	17:37
CHK	0.239	17:38
BLK	0.000	17:39

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH

hsk

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010427 Test Number: 2119
Test Date: 08/13/2013 Test Time: 17:42 EDT

Technician Initials: DBH

Dry Gas Target: 0.146

Lot Number: 0651215014-07 Exp Date: 04/01/2014
Tank Pressure: 232 psi Barometric Pressure: 740 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	17:42
BLK	0.000	17:43
CHK	0.145	17:44
BLK	0.000	17:45
CHK	0.145	17:46
BLK	0.000	17:47
CHK	0.145	17:48
BLK	0.000	17:49

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH

ADK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010427 Test Number: 2120
Test Date: 08/13/2013 Test Time: 17:51 EDT

Technician Initials: DBH

Dry Gas Target: 0.078

Lot Number: 0651208012-03 Exp Date: 04/01/2014
Tank Pressure: 453 psi Barometric Pressure: 740 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	17:52
BLK	0.000	17:52
CHK	0.077	17:53
BLK	0.000	17:54
CHK	0.077	17:55
BLK	0.000	17:56
CHK	0.077	17:57
BLK	0.000	17:58

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010427 Test Number: 2121
Test Date: 08/13/2013 Test Time: 18:00 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05 Exp Date: 04/01/2014
Tank Pressure: 325 psi Barometric Pressure: 740 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	18:01
BLK	0.000	18:02
CHK	0.018	18:02
BLK	0.000	18:04
CHK	0.018	18:04
BLK	0.000	18:06
CHK	0.019	18:06
BLK	0.000	18:07

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010427 Test Number: 2122

Test Date: 08/13/2013 Test Time: 18:11 EDT

Dry Gas Target: 0.243

Lot Number: AG205404-03 Exp Date: 02/23/2014

Tank Pressure: 272 psi Barometric Pressure: 740 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	18:11
CHK	0.244	18:12
BLK	0.000	18:14
CHK	0.244	18:14
BLK	0.000	18:16
CHK	0.244	18:17

Test Status: Success

Calibration CRC: 30FBE79A

DBH

msk




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
HALL, DONALD, B		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
21250	10/01/2014	08/13/2013
TEST EQUIPMENT NUMBER		
010427		

RESULTS: TIME SAMPLE TAKEN 18:27 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

*DID NOT RUN 0.100 MEASUREMENT ASSURANCE CHECK,
WILL RUN ANOTHER INSTRUMENT TEST AFTER PERFORMING MEASUREMENT
ASSURANCE CHECK DBH
8/16/13*

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE

Intox EC/IR-II: Accuracy Check

DBH

Department of Forensic Science

NK

Serial Number: 010427 Test Number: 2124

Test Date: 08/13/2013 Test Time: 18:29 EDT

Dry Gas Target: 0.097

Lot Number: AG316301-23 Exp Date: 06/12/2015

Tank Pressure: 1115 psi Barometric Pressure: 740 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	18:30
CHK	0.096	18:31
BLK	0.000	18:32
CHK	0.096	18:33
BLK	0.000	18:34
CHK	0.096	18:35

Test Status: *Success*

Calibration CRC: 30FBE79A




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 08/13/2013
TEST EQUIPMENT NUMBER 010427		

RESULTS: TIME SAMPLE TAKEN 18:43 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 16 Aug 2013 at 10:18

DBH
Wdk

Test Results

Instrument Serial Number 010427

Test # 002125 Subject Test

Test Location 1 Department of
Test Date 13 Aug 2013

Test Location 2 Forensic Science
Test Time 18:37

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 13 Aug 2013

End Time 18:45

Result Time 18:43

Result Date 13 Aug 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 18:37

Data Type BLK

Sample Value 0.000

Sample Time 18:38

Data Type CHK

Sample Value 0.096

Sample Time 18:39

Data Type BLK

Sample Value 0.000

Sample Time 18:40

Data Type SUBJ

Sample Value 0.000

Sample Time 18:41

Data Type BLK

Sample Value 0.000

Sample Time 18:42

Data Type SUBJ

Sample Value 0.000

Sample Time 18:43

Data Type BLK

Sample Value 0.000

Sample Time 18:44

Standard Type Dry Gas Std

Standard Value 0.097

Standard Lot Number AG316301-23

Standard Expiration Date 06/12/2015

Tank Pressure 1115

Barometric Pressure 740 mmHg

Blow Sample Number 1

Blow Duration 3.50 sec

Blow Volume 1896 cc

End-of-Blow Time 18:41

Blow Sample Number 2

Blow Duration 3.39 sec

Blow Volume 1800 cc

End-of-Blow Time 18:43

Tamper Evident Stamp c3ef749b

Test Status Code 0

Test Status Success